

Vibration & Shock-Resistant Ring Illumination [IHR-LE Series]

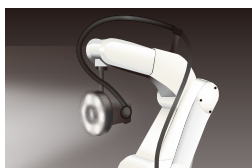
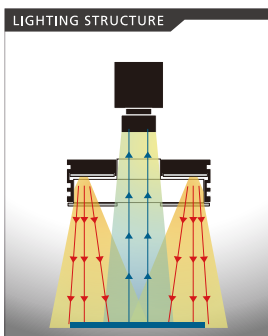
Short distance focused / long distance direct
irradiate illumination, 2 types line-up
Ideal for robot picking irradiation applications

Vibration-Resistant Shock-Resistant Power LEDs 24V DC Models Available

Applications • Robot Picking

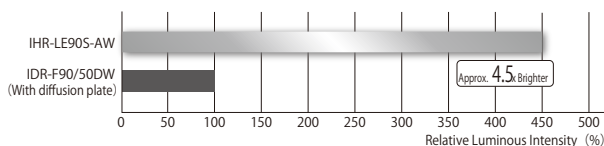
→ Positioning

Lighting characteristics, such as wide or narrow angles,
can be selected based on the size of the workpiece and
the distance of irradiation

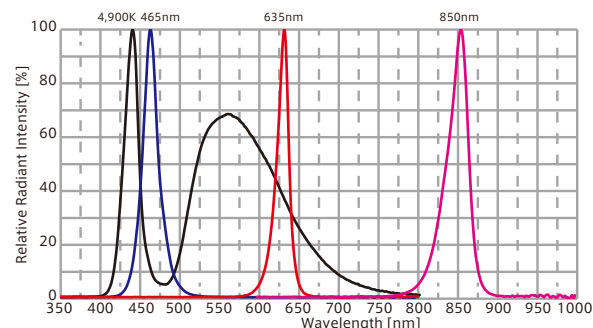


Vibration- and shock-resistant
design enables use on moving
part such as robot arms.

Brightness Comparison (Ref. Value) WD=100mm



Optical Spectrum (Ref.Value)



Model	Color	Power Consumption(W)	Input Voltage	SAG (※)	Applicable Controller
IHR-LE90□-A■	R	10.5	DC12V	97	IDMU Series (P.193) ILP-30M2 (P.197) IDGC Series (P.209) IPPA/IPSA series (P.207) Strobe/Overdrive controllers, etc.
	W			C6	
	B			BF	
	IR(850)			D5	
IHR-LE90C50-A■	R	10.5		97	
	W			C6	
	B			BF	
	IR(850)			D5	
IHR-LE90C100-A■	R	10.5		97	
	W			C6	
	B			BF	
	IR(850)			D5	

★Lighting distribution type (S=wide-angle light distribution,L=narrow-angle light distribution) is indicated by □ in the model table.

★C50= 50mm condenser type;C100=100mm condenser type.

※SAG: The maximum instantaneous upper limit output voltage setting value in the controller for the corresponding illumination when used in combination with the Overdrive controller.

★The emission color (W=White,R=Red,B=Blue,IR-850=IR850nm) is indicated by ■ in the model table.

★DC24V products are also available. Please feel free to contact us for more information.

★A polarizing plate could be attached.(Optional)

IDBB-LSRF	Line illumination products
IDBC-LSR	
IDBB-LSRH	
IDBB-LSRA	
IDBB-LSRS	
IDBC-LSRC	
IDBB-LSRC	
IDBC-RE	
IDBB-RE	
IDBA-RK	
IQDH-RE	
IMAR-D_8ch	
IDR-LA-8ch	
IDRA-T-8ch	
IMAR-D	
IMAR-CT D	
IHR-LE	
IHRB • IHRA	
IDR-F	
IDR-F33/16	
IDR	
IDR-LA	
IDRA-T	
IFR • IPR	
IDBA-HM	
IDBA-HMS	
IDBA-HMS-IR	
IDBA-FD	
IDBA-LEH2	
IDBA-LEH	
IDBA-LE	
IDBA-SE	
IDBA-SL	
IDBA	
IDBA-Q	
IFLA • IFLB	
IDHM	
IHMA	
IHMA-V	
IFPA	
IFD-IR	
IHMA-40D	
IFPA-D	
IPOC	
IFHA	
IDDB-KH • IDDA-KH	
IDUB	
IDD	
IDD-CB	
IQD • IQDH	
IQDA-CB	
IFVA • IFVB	
IFVA-ST	
IFV	
IV-14 • IV-30	
IHV-20 • IHVE-21	
IHVA-SP • IHSL-SP	
IBF	
IHV-FX	
RBOX	
IDBB-CH	
IDHRA	
UV-CAN	
Infrared	
Infrared	
IMAR-RGB	
IDDA-KH-RGB	
RGB Full-color	
ISU	
ISS	
Introduction of Customization	
High-speed synchronous image capture products	
ISC-24	
Image capture evaluation kit products	
IDMU	
ILP	
ILC	
ILV	
ILS	
IPPA_G • IRPA_G	
IPSA • IPPA	
IDGC	
IDPA	
IDCA	
IMC	
IWDV-24	
IWDV(S)-48	
ISC	
JS	
JS-30M2-TP/SS	
ILS-40M2-PI/SS	
SAG	
SLLUB	
LLUB	
IFIC	

Line illumination products

Ring illumination products

Bar illumination products

Transmitted/area illumination products

Dome illumination products

Special illumination products

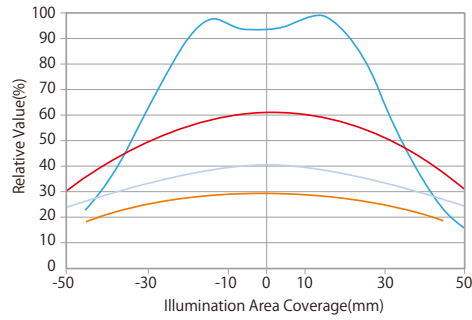
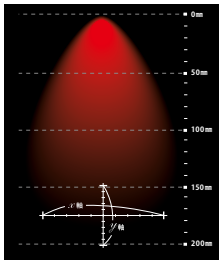
for products

Controller products

Other illumination products

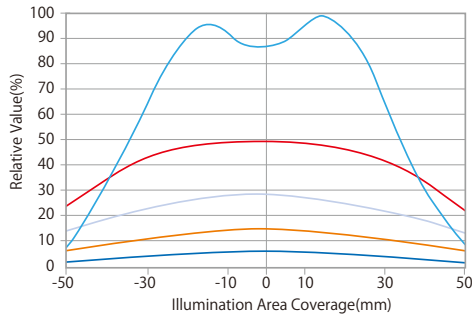
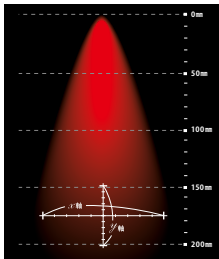
- IDBB-LSRF
- IDBC-LSR
- IDBB-LSRH
- IDBB-LSRA
- IDBB-LSRS
- IDBC-LSRC
- IDBB-LSRC
- IDBC-RE
- IDBB-RE
- IDBA-RK
- IDQH-RE
- IMAR-D_8ch
- IDR-LA-8ch
- IDRA-T-8ch
- IMAR-D
- IMAR-CT D
- IHR-LE
- IHRB · IHRA
- IDR-F
- IDR-F33/16
- IDR
- IDR-LA
- IDRA-T
- IFR · IPR
- IDBA-HM
- IDBA-HMS
- IDBA-HMS-IR
- IDBA-FD
- IDBA-LEH2
- IDBA-LEH
- IDBA-LE
- IDBA-SE
- IDBA-SL
- IDBA
- IDBA-Q
- IFLA · IFLB
- IDHM
- IHMA
- IHMA-V
- IFPA
- IFD
- IFD-IR
- IHMA-40D
- IFPA-D
- IPQC
- IFHA
- IDDB-KH · IDDA-KH
- IDUB
- IDD
- IDD-CB
- IDQ · IQDH
- IDQA-CB
- IFVA · IFVB
- IFV
- IV-14 · IV-30
- IHV-20 · IHVE-21
- IHVA-SP · IHSL-SP
- IBF
- IHV-FX
- RBOX
- IDBB-CH
- IDHRA
- UV-CAN
- Infrared
- Infrared
- IMAR-RGB
- IDDA-KH-RGB
- RGB Full-color
- ISU
- ISS
- Introduction of Customization
- High-speed synchronous imaging state kit products
- ISC-24
- Image capture evaluation kit products
- IDMU
- ILP
- ILC
- ILV
- ILS
- IPPA · G · IRPA · G
- IPSA · IPPA
- IDGC
- IDPA
- IDCA
- IMC
- IWDV-24
- IWDV(S)-48
- ISC
- IJS
- US-30M2-TP/SS
- ILS-40M2-PI/SS
- SAG
- SLLUB
- LLUB
- IFIC

S Type Wide-angle Light Distribution - Illuminates Wide Area At Close Range (Ref. Value)



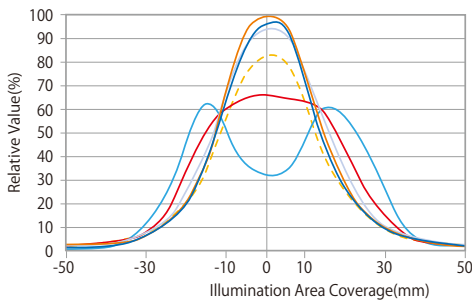
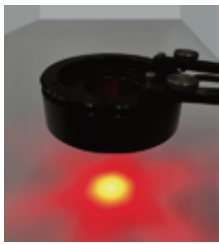
Used Illumination: IHR-LE90S-R

L Type Narrow-angle Light Distribution - Illuminates Long Distance Brightly (Ref. Value)



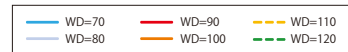
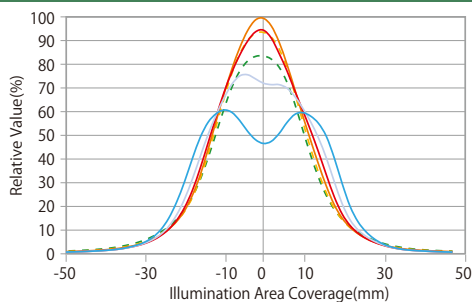
Used Illumination: IHR-LE90L-R

C50 Condenser Type: Bright spot-lighting type that can brightly illuminate around 50mm distance. (Ref. Value)



Used Illumination: IHR-LE90C50-R

C100 Condenser Type: Bright spot-lighting type that can brightly illuminate around 100mm distance. (Ref. Value)

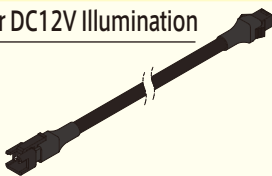


Used Illumination: IHR-LE90C100-R

Singal Type Extension Cable For DC12V Illumination

I-CB-S series

When used for moving parts such as robots, please use the I-CB-S_R-C02 series, which manufactured with robust robot cable with high flexibility. For DC24V model, please use the I-CB-S_-24 series or I-CB-S_R-24-C02 series.



Recommended Digital Controller(PWM Control)

IDMU series

Output control: 1,000 Levels
Compact PWM controller with DC24V input voltage, ideal for installation inside panels
Expandable up to 40 channels by linking units
Equipped with programming and camera trigger output functions, making it versatile.

